

**PRODUCT PERFORMANCE / EFFICACY REVIEW**

Mark Suarez, Entomologist - IB

**DATE:** 18 April 2006

**EPA REG. NUMBER:** 47332-11  
47332-12

**PRODUCT NAME:** Bug-Juice Insecticide Paint Additive [47332-11]  
Bug-Juice Insecticide Paint (R.T.U.) [47332-12]

**REGISTRANT:** Walla Walla Environmental, Inc.

**PM:** George LaRocca, PM 13

**REVIEWER:** Olga Odiott

**DECISION #:** 360640 [47332-11]  
360641 [47332-12]

**DP BARCODE:** 326025 [47332-11]  
326022 [47332-12]

**ACTION:** R34

**ACTIVE INGREDIENT(S):** 097805, Deltamethrin.....4.75% [47332-11]  
...0.075% [47332-12]

**TYPE:** Paint Additive; Paint RTU

**OPPTS GUIDELINE(S):** 810.1000  
810.3000

**MRID:** 46699801

**GLP ?:** No.

**SITES:** Outdoors

**PESTS:** Brown-banded Cockroach  
(*Supella longipalpi*)

**STUDY APPLICATION RATE:** 0.075% a.i. in paint

**LABEL APPLICATION RATE:** 0.075% a.i. in paint [46332-11]  
0.0618% [47332-12]

**STUDY SUMMARIES:**

The registrant submitted data demonstrating the efficacy of the active ingredient, deltamethrin, in paint at a concentration of 0.075% a.i. (This is 20% lower than the label rate of the additive.) Plywood panels were painted with either the treated paint or control paint (no pesticide). Roaches were confined on the painted surface for 96 hours. Knockdown was recorded at 1 hour; mortality was recorded every 24 hours through 96 hours.

One hundred percent knockdown was recorded at 1 hour, with an average mortality of 33% at 24 hours, 86% at 48 hours, 97% at 72 hours, and 100% at 96 hours. The control group demonstrated no knockdown or mortality throughout the trial.

The results are not particularly impressive, as the animals were forced to remain in direct contact with the pesticidal paint for up to 96 hours. However, these data are confirmatory in nature.

**ENTOMOLOGIST'S COMMENTS AND RECOMMENDATIONS:**

Cockroaches are already approved on the labels of both 47332-11 and 47332-12. No additional label modifications (e.g., change in application rate, addition of pests of public health concern, modification to marketing claims or directions for use, etc...). Therefore these data are viewed as confirmatory data. As such, they are adequate for the continuing support of cockroaches on the labels of both products.

**Recommendations:**

Cockroaches may be retained on the label.

Enclosure

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